

FIG. 1

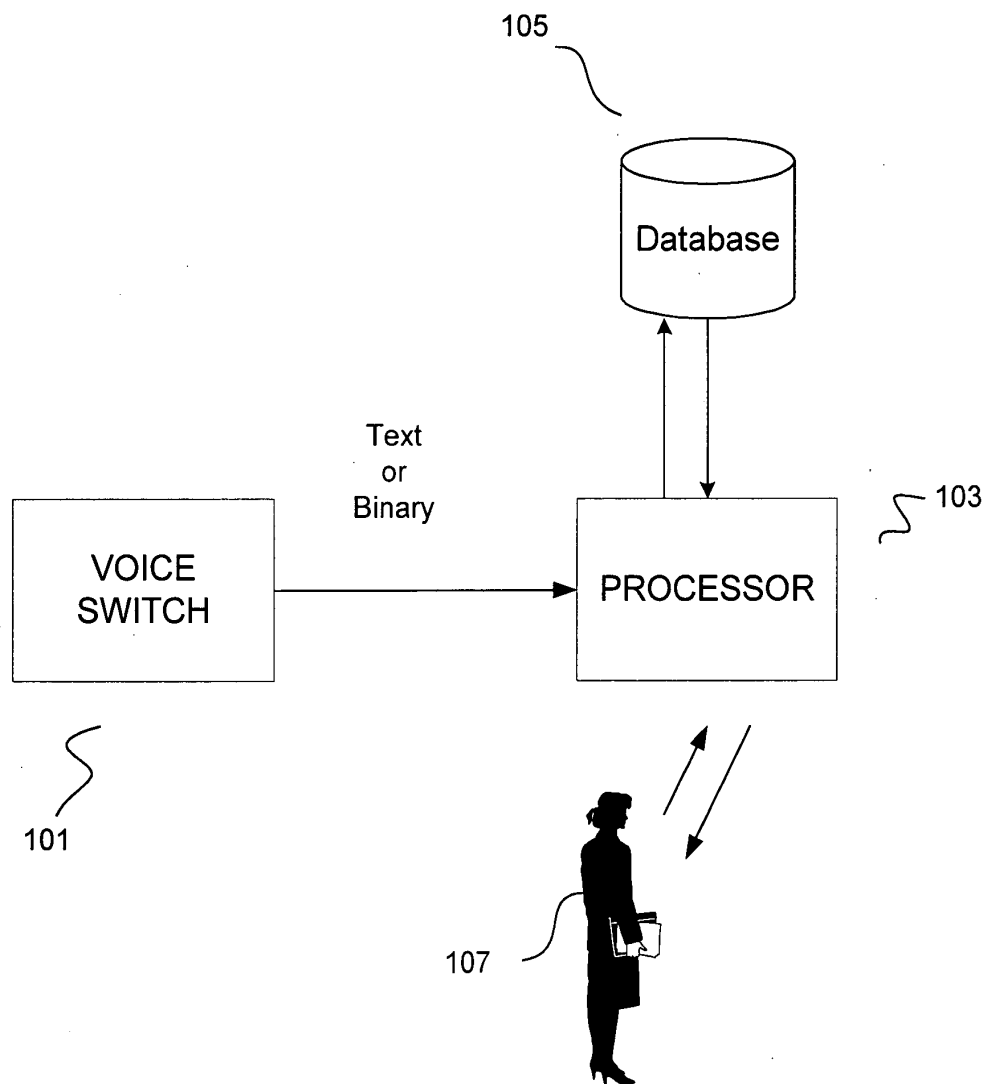


FIG. 1

PRIOR ART

FIG. 2

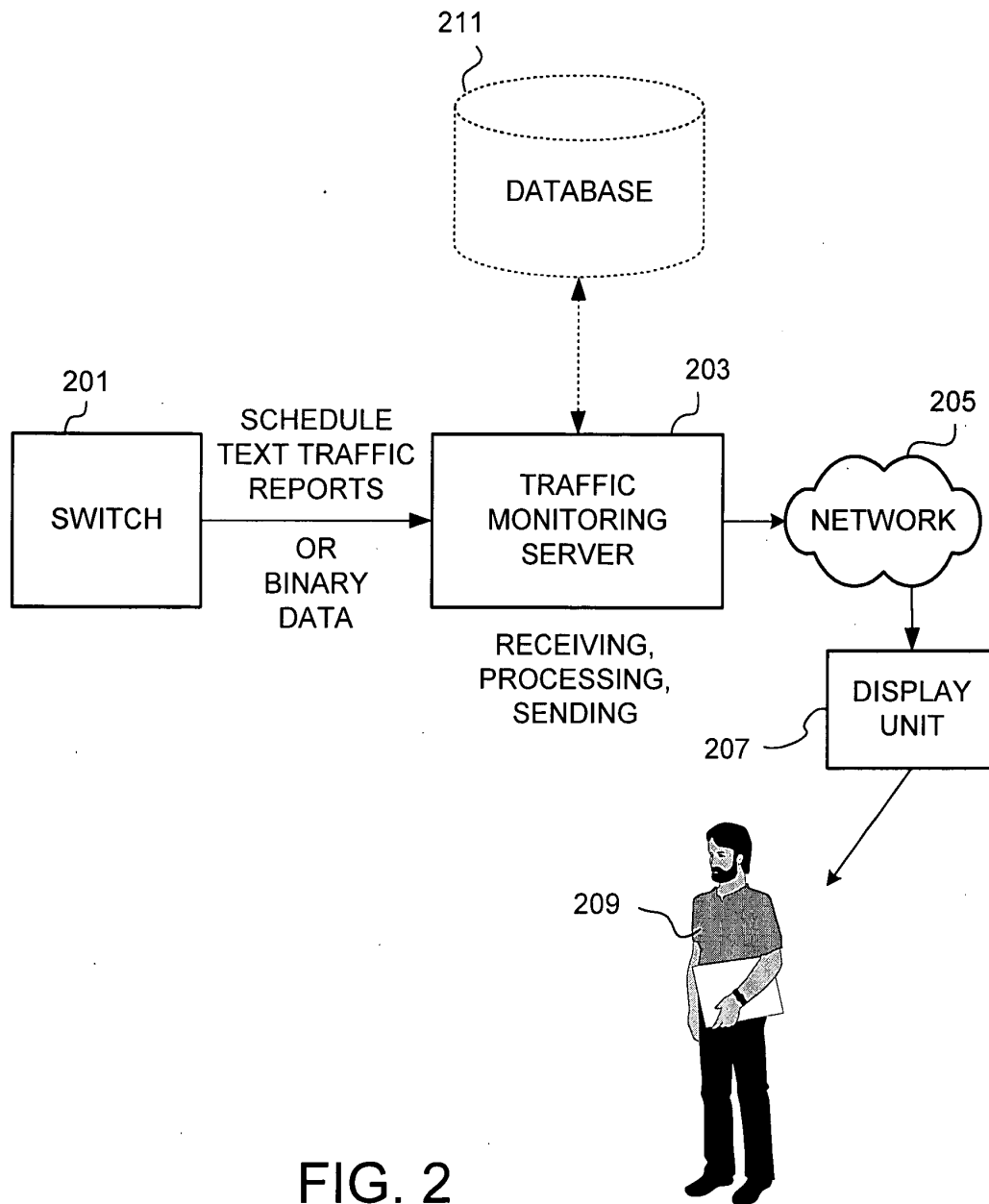


FIG. 2

FIG. 3

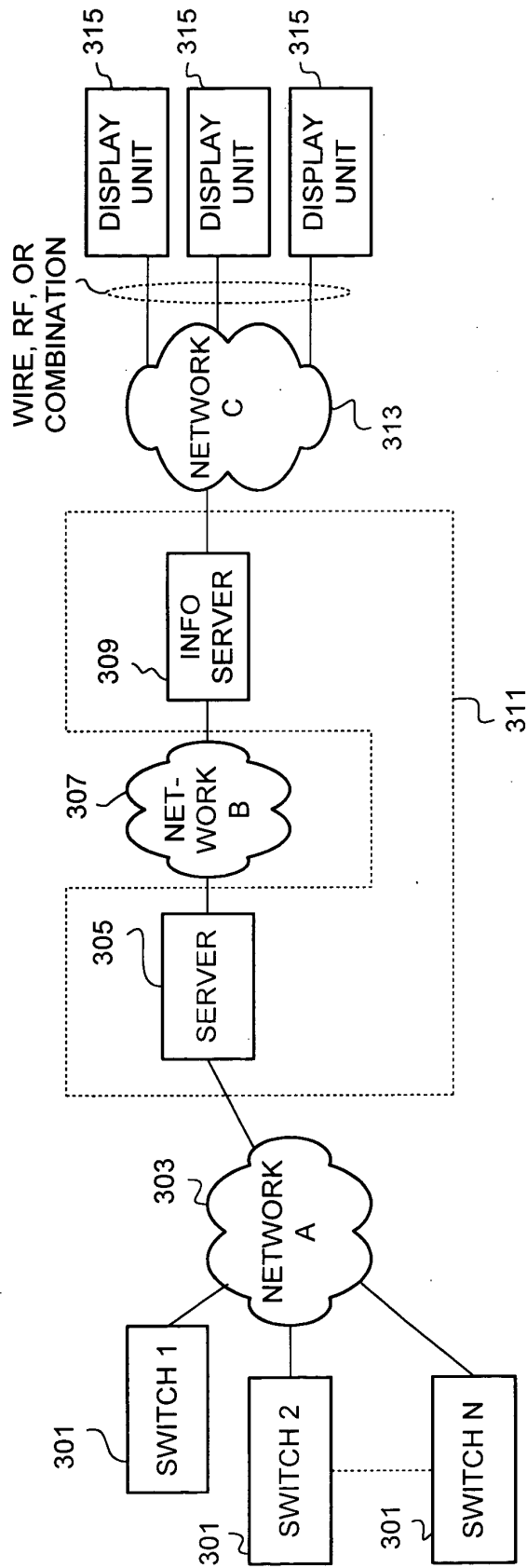


FIG. 3

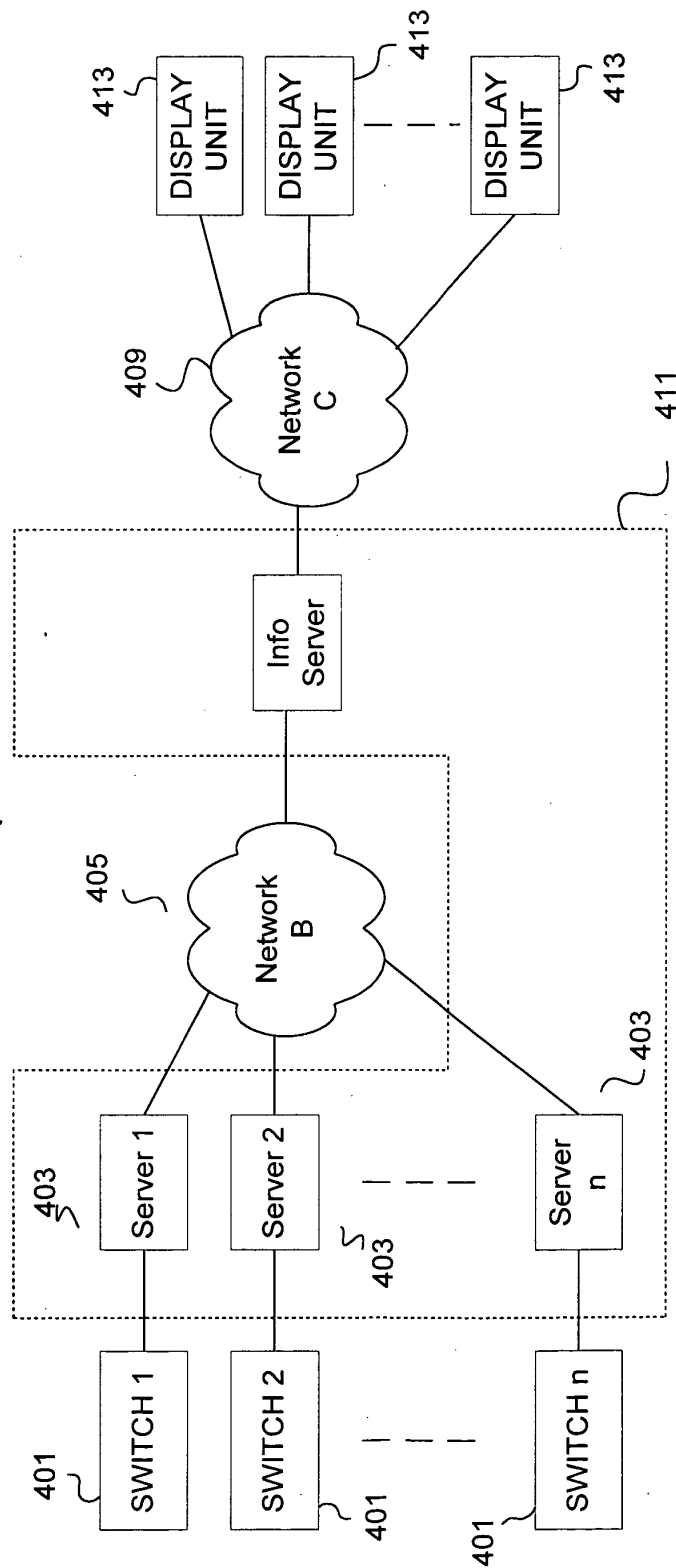


FIG. 4

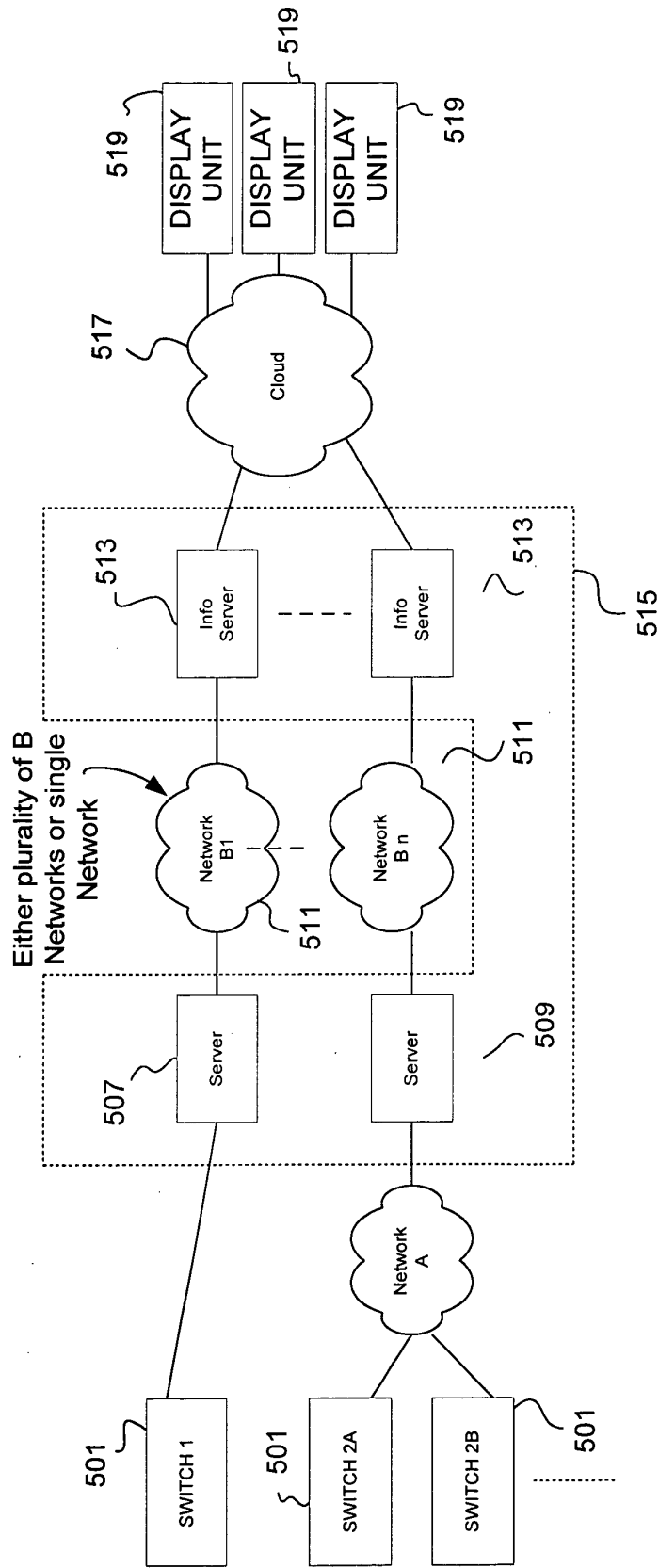
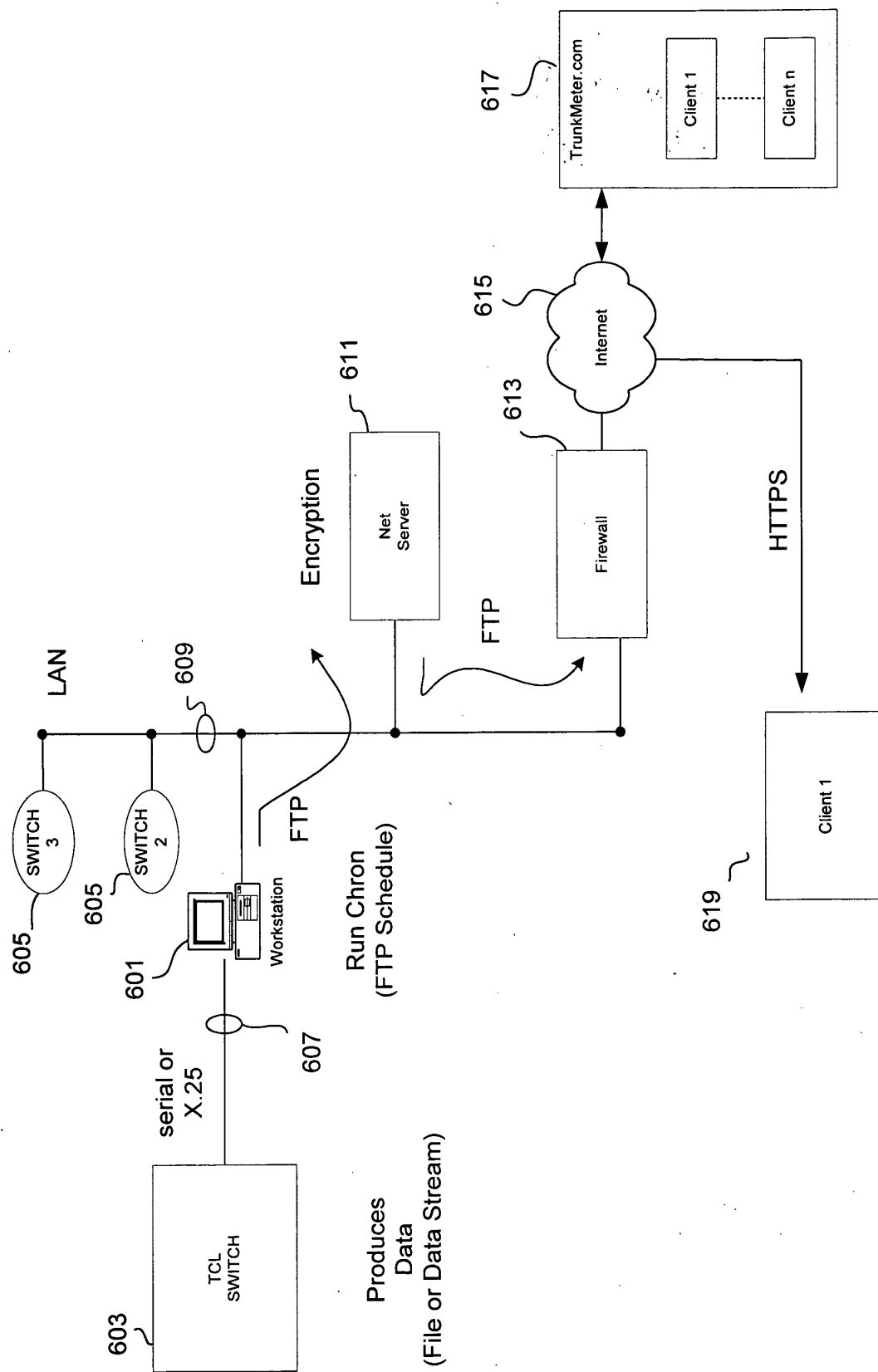


FIG. 5



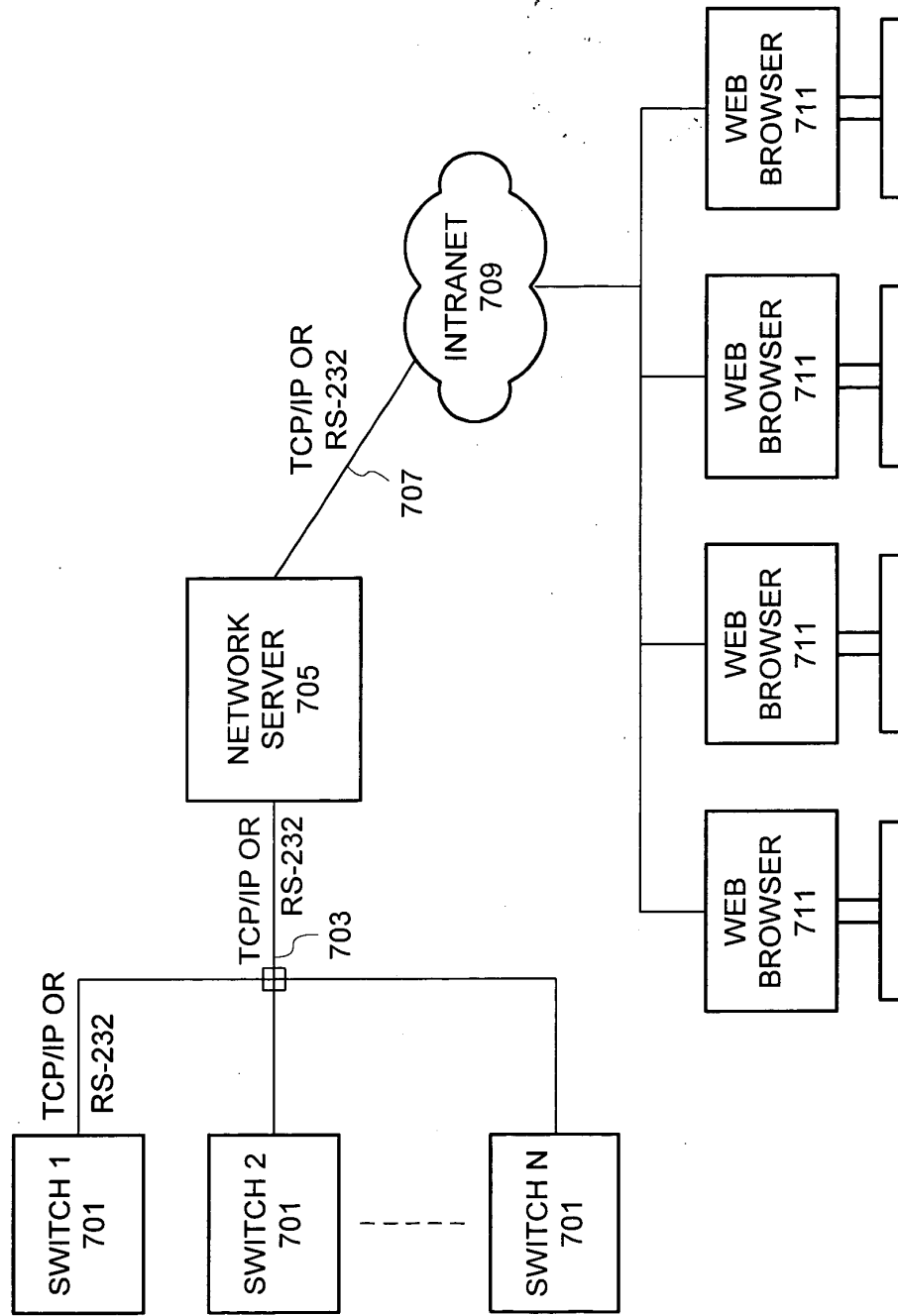


FIG. 7

106THQ" 2T5H200

Switch Traffic Status Display

Home Help

Switch ID	Latest Data	# TGs in Overflow	# TGs >90% Util	Switch ID	Latest Data	# TGs in Overflow	# TGs >90% Util
<u>Penryn</u>	9/2/99 09:00	2		<u>Colfax</u>	9/2/99 11:00		
<u>Auburn</u>	9/2/99 10:00	3		<u>Soda Springs</u>	9/2/99 10:00	1	
<u>Yuba City</u>	9/2/99 10:00	2					

FIG. 8



Display: Basis      Sort: Overflow      Full      Peak Usage      Raw Data      Data Avail

Home      Help      Index      OOS Trunks      MHT      ASR      TG String

Soda Springs Hourly Traffic Start: 02-Sep-99 09:00 Stop: 02-Sep-99 10:00

Trunk Group	Utilization (Erlang B P.01)	OOS Trunks	OG Ovll	Trunk Group Description	Messages History
T0721	79 %			Colfax 2 way	View
T0731	64 %			Pennryn Incoming	View
T0822	60 %			SCRM01	View
T0724	59 %			Yuba City Tandem	View
T0771	38 %			Auburn PSAP	View
T0841	23 %			Yolo Tie 2way	View
T0863	22 %			Woodland 2w - under test	View
T0623	21 %		68 ( 6% )	Voice Mail	View
T0722	20 %			PRI to Customer Care	View
T0772	20 %			Directory Assistance	View
T0862	20 %			Operator Svcs	View
T0861	20 %			Modem Pool	View
T0842	17 %			Acme Door Corp DID	View
T0733	16 %			Acme Door DOD	View
T0725	12 %				View
T0726	8 %				View

FIG. 9

T06T1002ET374200

Display:

Sort: Basic

Help Index

Soda Springs Hourly Traffic Start: 02-Sep-99 09:00 Stop: 02-Sep-99 10:00

Trunk Group	Utilization (Erlang B P.01)	OOS Trunks	OG Trunks	Trunks Req'd	Trunks Avail	MHT (sec)	OG ASR	CCS/Ilr	IC Call Att	Ca	Raw Data ASR	Peak Usage MHT	Data Avail TG Sizing
T0721	79 %			155	192	122	85 %	4886	1936	2			
T0731	64 %			31	44	107	84 %	751	409	2			
T0822	60 %			91	144	140	82 %	2705	0	1			
T0724	59 %			9	12	71	-	125	175				
T0771	38 %			7	12	159	98 %	81	0				
T0841	23 %			9	24	53	98 %	126	0	2			
T0863	22 %			21	71	143	71 %	452	220				
T0823	21 %	1	68 (6%)	21	72	44	77 %	436	3	1			
T0722	20 %			3	6	78	-	14	18				
T0772	20 %			5	12	93	-	42	45				
T0862	20 %			14	48	66	-	257	389				
T0861	20 %			14	48	67	92 %	257	0	3			
T0842	17 %			8	24	59	-	91	153				
T0733	16 %			7	24	82	-	89	109				
T0725	12 %			6	24	78	-	67	86				
T0726	8 %			5	24	65	-	43	66				

FIG. 10

# T06T00-ET3460

[Home](#)   [Help](#)   [Index](#)   [Display:](#)   [Basic](#)   [Full](#)   [Peak Usage](#)   [Raw Data](#)   [Data Avail](#)  
[Sort:](#)   [Overflow](#)   [OOS Trunks](#)   [MHT](#)   [ASR](#)   [TG Sizing](#)

Soda Springs 30 day Peak Usage as of: 02-Sep-99 10:00

CSV format

Trunk Group	Peak Utilization (Erlang B P.01)	Peak CCS/Hr	Peak OG Ovfl	Date of Peak	Peak Hour	Peak TrksReqd at Peak	TrksAvail Current
T0721	102 %	6306		9/1/99	16:00	196	192
T0731	88 %	1034		8/31/99	16:00	40	44
T0723	87 %	60		8/26/99	15:00	6	6
T0724	85 %	180		8/31/99	17:00	11	12
T0822	75 %	3419		9/1/99	16:00	112	144
T0771	67 %	141		8/20/99	09:00	10	12
T0722	64 %	44		9/1/99	11:00	5	6
T0841	63 %	330		8/27/99	17:00	17	24
T0725	55 %	305		9/1/99	16:00	16	24
T0861	44 %	569		8/30/99	17:00	25	48
T0862	44 %	568		8/30/99	17:00	25	48
T0842	42 %	231		8/20/99	16:00	13	24
T0733	38 %	207		8/27/99	15:00	12	24
T0772	34 %	73		8/24/99	12:00	7	12
T0623	31 %	638	6%	8/27/99	16:00	27	72
T0863	28 %	581		8/30/99	20:00	26	71

FIG. 11

FIG. 12

Display: Basic Full Peak Usage Raw Data Data

Home Help Index Sort: Overflow OOS Trunks MHT ASR TG:

Soda Springs Raw Traffic Data Start: 02-Sep-99 09:00 Stop: 02-Sep-99 10:00

HOURL 10

SW 01 09/02/99 09:00 09/02/99 10:00

T0001	17	00009	00000	00000	00000	00000	00000	00000	00033	00000	00000	00000
		00000	00000	0431	00000							
T0002	17	00010	00000	00000	00000	00000	00000	00000	00008	00000	00000	00000
		00000	00000	00141	00000							
T0003	17	00011	00000	00000	00000	00000	00000	00000	00013	00000	00000	00000
		00000	00000	00192	00000							
T0004	17	00009	00000	00000	00000	00000	00000	00000	00003	00000	00000	00000
		00000	00000	00091	00000							
T0005	17	00008	00000	00000	00000	00000	00000	00000	00011	00000	00000	00000
		00000	00000	00133	00000							
T0006	17	00008	00000	00000	00000	00000	00000	00000	00012	00000	00000	00000
		00000	00000	00238	00000							
T0007	17	00006	00000	00000	00000	00000	00000	00000	00007	00000	00000	00000
		00000	00000	00099	00000							
T0008	17	00011	00000	00000	00000	00000	00000	00000	00015	00000	00000	00000
		00019	00000	00234	00000							
T0009	17	00006	00000	00000	00000	00000	00000	00000	00004	00000	00000	00000
		00000	00000	00053	00000							
T0010	17	00006	00000	00000	00000	00000	00000	00000	00009	00000	00000	00000
		00000	00000	00073	00000							
T0011	17	00011	00000	00000	00000	00000	00000	00000	00014	00000	00000	00000
		00000	00000	00131	00000							
T0012	17	00007	00000	00000	00000	00000	00000	00000	00017	00000	00000	00000
		00000	00000	00214	00000							
T0013	17	00007	00000	00000	00000	00000	00000	00000	00013	00000	00000	00000
		00000	00000	00167	00000							
T0014	17	00006	00000	00000	00000	00000	00000	00000	00010	00000	00000	00000
		00000	00000	00120	00000							
T0015	17	00006	00000	00000	00000	00000	00000	00000	00009	00000	00000	00000
		00000	00000	00064	00000							
T0016	17	00007	00000	00000	00000	00000	00000	00000	00021	00000	00000	00000
		00000	00000	00286	00000							
T0018	17	00009	00000	00000	00000	00000	00000	00000	00015	00000	00000	00000
		00000	00000	00247	00000							
T0019	17	00006	00000	00000	00000	00000	00000	00000	00004	00000	00000	00000
		00000	00000	00059	00000							
T0020	17	00006	00000	00000	00000	00000	00000	00000	00015	00000	00000	00000
		00000	00000	00128	00000							
T0021	17	00010	00000	00000	00000	00000	00000	00000	00047	00000	00000	00000
		00000	00000	00495	00000							
T0022	17	00013	00000	00000	00000	00000	00000	00000	00053	00000	00000	00000
		00000	00000	00772	00000							
T0023	17	00006	00000	00000	00000	00000	00000	00000	00007	00000	00000	00000
		00000	00000	00101	00000							
T0024	17	00006	00000	00000	00000	00000	00000	00000	00006	00000	00000	00000
		00000	00000	00111	00000							
T0025	17	00008	00000	00000	00000	00000	00000	00000	00021	00000	00000	00000
		00000	00000	00228	00000							
T0026	17	00007	00000	00000	00000	00000	00000	00000	00007	00000	00000	00000
		00000	00000	00093	00000							

09/02/99 09:00 09/02/99 10:00

[illegible]

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FIG. 13

T06T40" 2T54460

Home Help Index Display: Basic Overflow Full Peak Usage Raw Data Data Avail  
Sort: MHT ASR TG Sizing

Soda Springs Hourly Traffic (Overflow Sorted) Start: 02-Sep-99 10:00 Stop: 02-Sep-99 11:00

Trunk Group	Utilization (Erlang B P.01)	OG Ovfl 61 (6%)	OOS Trunks	Current TrksReqd	Current TrksAvail	MHT (sec)	OG ASR
T0823	23 %		22	72	48	77 %	
T0721	86 %		167	192	118	84 %	
T0724	78 %		11	12	83	.	
T0822	66 %		100	144	135	80 %	
T0731	63 %		31	44	98	87 %	
T0771	41 %		7	12	187	91 %	
T0723	35 %		4	6	120	.	
T0862	31 %		20	48	82	-	
T0861	31 %		20	48	84	91 %	
T0841	30 %		11	24	52	99 %	
T0772	25 %		6	12	137	-	
T0863	22 %		21	72	118	77 %	
T0842	21 %		9	24	56	-	
T0733	17 %		8	24	59	.	
T0725	17 %		8	24	86	-	
T0726	9 %		6	24	47	-	

FIG. 14

T06T40 2T3H260

Display: Basic Full Peak Usage Raw Data Data Avail  
Sort: Overflow OOS Trunks MHT ASR TG Sizing

Soda Springs Hourly Traffic(OOS Trunks Sorted) Start: 02-Sep-99 10:00 Stop: 02-Sep-99 11:00

Trunk Group	Utilization (Erlang B P.01)	OOS Trunks	OG Ovfl	Current TrksReqd	Current TrksAvail	MHT (sec)	OG ASR
T0624	0%	96	0	0	0	-	-
T0761	0%	24	0	0	0	-	-
T0864	0%	24	0	0	0	-	-
T0621	0%	1	0	23	23	-	-
T0622	0%	1	0	23	23	-	-
T0771	41%		7	12	187	91%	
T0723	35%		4	6	120		
T0862	31%		20	48	82		
T0861	31%		20	48	84	91%	
T0841	30%		11	24	52	99%	
T0772	25%		6	12	137		
T0863	22%		21	72	118	77%	
T0842	21%		9	24	56		
T0733	17%		8	24	59		
T0725	17%		8	24	86		
T0726	9%		5	24	47		

FIG.15

T06T03 27 SEP 99

Display: Basic Overflow OOS Trunks Full Peak Usage Raw Data Data Avail  
 Sort: MHI ASR TG Sizing

Soda Springs Hourly Traffic (MHI Sorted) Start: 02-Sep-99 10:00 Stop: 02-Sep-99 11:00

Trunk Group	Utilization (Erlang B P.01)	MHT (sec)	OOS Trunks	OG Ovfl	Current TrksReqd	Current TrksAvail	OG ASR
T0732	0.9%	9			2	24	-
T0823	23%						
T0726	9%	46		61 (6%)	22	72	77%
T0722	7%	47			5	24	-
T0841	30%	50			2	6	-
T0842	21%	52			11	24	99%
T0733	17%	56			9	24	-
T0862	31%	59			8	24	-
T0724	78%	82			20	48	-
T0861	31%	83			11	12	-
T0725	17%	84			20	48	91%
T0731	63%	86			8	24	-
T0700	0.4%	98			31	44	87%
T0721	86%	100			2	24	100%
T0863	22%	118			167	192	84%
T0723	35%	118			21	72	77%
		120			4	6	-

FIG. 1b



T06T10:27:54Z60

Display:

Raw Data

Peak Usage

MHT

ASR

ASR

TG Sizing

Home

Help

Index

Soda Springs Hourly Traffic (ASR Sorted) Start: 02-Sep-99 10:00 Stop: 02-Sep-99 11:00

Trunk Group	Utilization (Erlang B P.01)	OG ASR	OOS Trunks	OG Ovfl	Trunks Req'd	Trunks Avail	MHT (sec)
T0623	23 %	77 %		61 (6%)	22	72	46
T0863	22 %	77 %			21	72	118
T0822	66 %	80 %			100	144	135
T0721	86 %	84 %			167	192	118
T0731	63 %	87 %			31	44	98
T0771	41 %	91 %			7	12	187
T0861	31 %	91 %			20	48	84
T0841	30 %	99 %			11	24	52
T0700	0.4 %	100 %			2	24	100
T0862	31 %	-			20	48	82
T0772	25 %	-			6	12	137
T0842	21 %	-			9	24	56
T0725	17 %	-			8	24	86
T0726	9 %	-			5	24	47
T0722	7 %	-			2	6	50
T0732	0.9 %	-			2	24	9

FIG.17

T06T40 2737400

Home Help Index Display: Basic Overflow OOS Trunks Full Peak Usage Raw Data Data Avail  
Sort: MHT ASR IQ Sizing

Soda Springs Trunk Group Sizing Analysis for Peak Usage as of: 02-Sep-99 11:00

Trunk Group	Peak Utilization (Erlang B P.01)	Over/Under Trunking	Peak TrksReqd	Current TrksAvail	Peak OG Ovfl
Trunk Groups without enough capacity					
T0721	102 %	-4	198	192	
Trunk Groups with sufficient or extra capacity					
T0863	28 %	+46	26	72	6%
T0623	31 %	+45	27	72	
T0822	75 %	+32	112	144	
T0224	0%	+24	0	24	
T0843	0%	+24	0	24	
T0225	0%	+24	0	24	
T0861	44 %	+23	25	48	
T0621	0%	+23	0	23	
T0622	0%	+23	0	23	
T0862	44 %	+23	25	48	
T0702	0.7%	+22	2	24	
T0732	7 %	+19	5	24	
T0700	8 %	+19	5	24	
T0726	26 %	+14	10	24	

FIG.18